JOHNSON CACTUS (JARDENS

PARAMOUNT -- Los Angeles County - CALIFORNIA

Latest News from Cactus Land 1954



GOLDEN BALL

A very lovely small eactus with glittering, olden, harmless spines. Notocactus leninghausti a fine plant for the window garden, of the siest culture. Large 10 year old specimens to \$7.50. Fine plants \$1.



PINK EASTERLILY CACTUS See page 15

KKKKKK

DYCKIA RARIFLORA

SCARLET ALOE

Succulent Gardens are Exciting and Romantic

- Succulents of all kinds.
- Orchid Cacti. Epiphyllums.
- Mimicry Plants. Lithops, etc.
- Cacti. Over a million plants.
- Supplies of all kinds.



Aerial view of our 10 acres of nurseries. Our specialties are Succulents and Cacti, also Water Lilies and Aquatics for the Garden Pool.

1876 - 1954

Our long experience in growing and shipping plants assures you of the best stock possible. We grow our own plants under the most ideal conditions. Only by direct shipment from the grower can you be assured of fresh, healthy and bright looking plants. Our plants are freshly dug for each shipment. Why waste time and money on less fresh plants when you can be assured of clean, vigorous rooted stock from the world's largest growers. We invite comparison of our plants and products.



View in Cactus House

Outdoor Cactus Garden



To Our Patrons:

Our 1954 catalog of Cacti and Succulents offers many new things to fanciers of these exotic plants. Some are the results of hybridizing or selection, others are new species or genera collected on my various expeditions to South America.

We appreciate the confidence and continued patronage of our many friends. We thank you for the many kind letters received and will do our best to deserve them. This year, due to new cultural methods, we think our plants are better than ever. If ordered early many will be in bud when received.

Hany Thorson

TERMS

I GUARANTEE SAFE DELIVERY IN THE UNITED STATES AND CANADA

50c packing and postage charge on orders of less than \$2.50.

10% postage charge on orders of \$2.50 to \$5 due to postage increases.

Free delivery on orders of \$5 or more.

How to remit: By check, postal note, money order or large denomination postage stamps.

No. C. O. D. orders accepted.

HOW WE SHIP

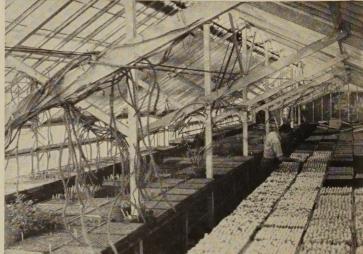
Shipments by Parcel Post which delivers direct to your door. All plants are passed by California State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in specially made cartons, heavily insulated from cold and clearly marked: "Rush—Perishable—Tender Plants."

OUR GUARANTEE

We guarantee safe delivery of clean, healthy stock. We cannot undertake to make good plants lost through improper care. If plants are injured in transit we will give credit for all damaged items.

View in Cactus Seeding House





Succulents



ECHEVERIA LA CANYADA

This pleasing new Echeveria is a hybrid of the old E. nodulosa. The new leaves are speckled with maroon blotches. Uncommon.



PACHYVERIA LESLEI

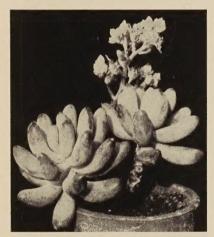


CRASSULA CORYMBULOSA
Forms cushions of leaves that
become bright red in winter.
Flowers in late fall very freely.
Easily grown.
35c



NOTONIA PETRAEA

A stirling novelty from tropical Africa. A fine basket plant easily grown. Lovely on window shelves for the tracery of its leaves. A rapid grower with spatulate leaves of bright, fresh green. Branches freely from the base the trailing stems one to two feet long, with good culture three feet, Flowers bright orange in fall. Grows in any soil in sun or shade,



PACHYSEDUM ROSE TIPS

One of the best of the newr hybrids. A highly colored variety, in cool weather often being almost red. The fat leaves are powdered white over dove grey becoming suffused with red. Flowers bright lemon yellow. Give it a light sunny position and not too rich a soil to achieve the brightest coloring.

35c

SILVER STARS



NANANTHUS MALHERBII Closely related to the Jewel Plant but much larger, this new plant may reach 3 Inches across. The leaves are studded with white bosses. Tight clusters, the leaves light brown often tinged purple. Very attractive, easily grown. Keep on dry side.

35c

ANACAMPSEROS BUDIERIÁNA

These very dainty, tiny succulents have seldom ever been offered. Thy are very slow growing plants for the connoisseur who appreciates the rare and unique. A 2" plant may be 5 or 10 years old. The branches are pure white from the overlapping stipules. \$1.35



PEARL OX TONGUE

Gasteria verrucosa is a scarce species and one of the prettiest. It is a long lived plant each leaf closely set with pearly white pappilae. A collectors item. Easily grown in a light window.



ACAVE ATTENUATA



ECHEVERIA (Urbinia) AGAVOIDES

This species makes a fine, clear-cut specimen. The thick leaves are pale green, stiff as thorgh carved from jade. The flower spikes in late spring have orange bells. Grows to 4" across.

At Right:

CALICO OX TONGUE

The Gasterias are unique succulents with 2 ranked leaves. G. maculata has a tendency to spiral. A charming, easily grown plant for sun or shade. Reaches 5" across. Moderate watering.





PLOVER EGGS

ALOES

These well known African plants are favorites of the window gardener for there are many small species with attractive rosettes of leaves. In warm regions they are fine for landscaping effects. Crow easily in porous soil with moderate watering. Sunny positions are best.

Aloe africana. Quick growing
Aloe aristata. A dwarf species having hun-
dreds of leaves dotted white. Charming pot plant. 35c and50c
A. bainesii. A rare giant tree species. 60'.
\$1.50
A. brevifolia. A common much planted species 35c
A. dinteri. An uncommon kind with deep
green leaves flecked white. Nice50c
A. distans. Long creeper
A. longistyla. Handsome flowers. Dwarf 35c
A. variegata. Partridge Breast or Tiger Aloe.
35c

ANACAMPSEROS

Small plants excellent for the window garden. Thick leaves in small rosettes. Flowers pink. Easily grown sun or shade.

Thread Sand Rose. Flowers in summer, bright pink. Thick leaves Anacampseros albissima. Small white stemmed collector's item

A. telephiastrum. Thick bronzy leaves. Nice

HAIRY STARFISH FLOWER

Lovely bright desert stars. Starelia hirsuta is a fascinating succulent for the window garden blooming freely the first year. Give it a sunny but not too hot position. In summer water well.

35c



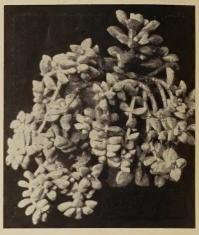


PAINTED LADY

A very popular winter and spring blooming succu-lent. Echeveria derenbergii grows easily for everyone. White leaves margined with red. Easy to flower a 35c



MEXICAN GEM



SILVER TASSELS



AFRICAN LIVING ROCK

Simulates the grey granite rocks among which it grows. The thick, grey, minutely dotted leaves bear in early autumn, large yellow, slender petalled flowers. Sunny location, very sandy soil and keep on dry side. Each 50e and.

ARGYRODERMA

Argyroderma octophyllum. Silver Skin. Two thick, silvery white leaves form the plant. Flowers large, yellow. Each35c

A. augustipetalum. Cluster forming....50c

A. blandum50c

A. braunsii50c

A. citrinum 50c

DIAMOND JUBILEE CACTUS HANDBOOK

Contains hundreds of descriptions of rare plants. Every collector



MEXICAN FIRECRACKER



SCARLET PAINT BRUSH

Rochea falcata is a most beautiful flowering plant bearing very large trusses of scarlet blossoms from August to November. The 2 ranked leaves are white Give generous treatment using any rich. porous soil and a partly sunny 35c location. Nice. 25e and.



CHRIST THORN

Every window garden should have this fine free flowering plant. The lovely scarlet flowers of Eu-phorbia splendens are familiar to all. Grows easily in any well lighted window. Likes a rich porous loam and a generous supply of water. In shipping the leaves drop but soon reappear. Fortied 35c plants. 157 756. 8"-10" 50c. Nice 5".



CALICO HEARTS

The lovely and quite rare Adromischus maculatus will be the gem of your succulent collection. The leaves are handsomely mottled rich maroon on a silvery green ground. A long-lived specimen enjoying porous loam soil and moderately generous waterings with shaded during hottest part of day. Easy to grow our vigorous plants. Each potted 50e.



SILVER CROWN



CRASSULA LACTEA

SILVER BEADS

A white leaved, much branched, low plant bearing pink blossoms. Nice branched specimens crassula deltoidea35c



PACHYVERIA WHITE NUN

This handsome hybrid is a welcome addition to our window gardens. It makes a nice, tall specimen or, if the tip is nipped, a cluster. The leaves are pale white. Will grow 30c in shade or sun

GHOST PLANT

Graptopetalum paraguayense has white, pink tinged leaves each of which will form a plantlet. Each....30c



SENECIO SCAPOSUS

Bears many long, round leaves quite white in color in a close rosette. Young plants appear from underground. A rare plant but easily grown. Flowers like daisies on long stems. 75c

WINDOW PLANT

Haworthia cuspidata has prettily patterned, fresh green leaves with lucent panes. Very sandy soil. Each30c



SPLIT ROCK

CHENILLE PLANT

At all seasons Echeveria pulvinata is a dainty beauty, the leaves and stems covered with a soft plush of fine bairs and tipped and margined with rich red. Flowers in mid-winter the bells large and rich crimson. One of the pretitest plants we have. Semishade moderate to generous waterings. Each 30c



WART PLANT

Haworthia subfasciata is a favorite and quite deservedly popular. The warts on the leaves are much whiter than shown. It is easily grown in quite sandy soil with peat or leafmold which the thick yellow roots can easily penetrate. Shady but well lighted position watering whenever dry. Nice potted

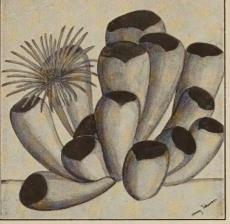


STONE FACE

The Stone Faces or Lithops are amongst the prettiest and certainly most curious of the African succulents. The flat, broad tops of the leaves are of many colors, red, dove grey, green, brown rust red. The colors are in more or less definite patterns peculiar to each species of which there are more than 50. The flowers are lovely in October. Many varieties may be grown in a single pot. See our Diamond Jubilee Cactus Handbook for long list. The species pictured is

Lithops pseudotruncatella. Each 25e and





ORANGE BABY TOES

ECHEVERIA

These colorful Mexican succulents are splendid house plants excellent for the patio in warm climates. Do best with some shade. They like a rich open soil with moderate watering.

E. Doris Taylor. Fine white hairy rosettes. Handsome yellow and red flowers40c E. gilva. Green rosettes tinged red in winter. Handsome E. kewensis. Red tinged in winter25c E. microcalyx. A tiny free branching species. E. multicaulis. Coppery red leaves 30c E. pulvicarn. Hybrid variety E. pulvicox. Richly colored green and red plush leaves

E. recurvata. Tall with tree-like habit. A fine E. Weingartii, Dark green rosettes35c E. set-oliver. Lovely orange and yellow flowers

Any 4 varieties for \$1



ZEBRA HAWORTHIA



DOLLAR LEAF



plant

CONOPHYTUM ERNIANUM

Clusters of succulent paired leaves, pale green speckled darker. In the fall a bud emerges from the notch in each pair expanding to a frilly pink flower. An African mimicry plant



.35c

HAWORTHIA PAPPILOSA

A large growing Haworthia hand-some in appearance. Leaves are thick-by dotted with large pearly pappliae. Leaves upright rather than spreading. These African plants are excellent house plants. Part 50c shade. Each.



TOWER OF JEWELS

White leaves tinged with purple. These very easily grown specimens are long lived and give variety to your collection. Do well in sun or partial shade. Nice specimens with 35c trunk 50c. Smaller.



NECKLACE VINE



VELVET LEAF



PACHYVERIA GLAUCA



CRASSULA DECEPTRIX

A very rare and handsome succulent. The plants are as white as though carved from alabaster. A real collector's item seldom ever offered for sale. Our plants



Another pure white kind figured last year. These are slow growing plants re-quiring to be kept on the dry side. Not at all hard to grow. Nice specimens \$1. Smaller



ARAB'S TURBAN AT LEFT:

An odd and easy to grow succulent Crassula hemisphaerica always attracts attention. The green, white margined leaves are overlapping. Likes a rich but porous soil and a light but not too sunny 35c

GREEN GRAPES

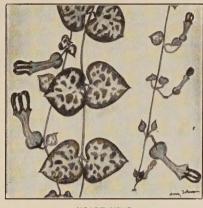
AT RIGHT.



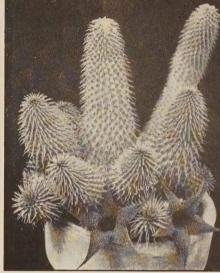
TRICOLOR JADE PLANT

A pretty rainbow-hued succulent. This is a real beauty growing anywhere and brightening up any group it is placed with Crassula argentea tricolor has leaves striped with yellow, cream and green often flushed with plnk. It grows well in good garden loam with moderate watering.

135c



HEART VINE



COCKLEBURS

A choice Dragon Flower, pillansii is unique with its flowers and odd, green haired stems. Each..... 50c



CORAL BEADS



JEWEL PLANT



CHAIN PLANT

Tradescantia navicularis bears bright pink blossoms. With summer growth it becomes a creeper. Grows in sun or shade. An odd Peruvian plant named for its boat shaped 35c



RATTLESNAKE CRASSULA

Crassula teres is a quaint small plant forming small clusters and bearing terminal corymbs of white fragrant flowers. Partial shade.



SILVER CHENILLE

Makes a charming rosette, each leaf soft with silvery plush. The spike of bright crimson flowers appears in winter and last a long time. Partial sun, moderate watering.

Echeveria plumosa. 35c



CRIMSON KALANCHOE



WAX VINE



PUSSY EARS



ST. ANDREW'S CROSS

AT LEFT:

This year we offer some new hybrids between Crass-ula triebnert and Crassula schmidtii. The parent had charming pink blossoms and a very floriferous flower paniele. The plants resemble the old St. Andrew's Cross. can not guarantee the flower color.

CRASSULA DREGEANA

A fine series of hybrids of this seldom seen species. These are second generation crosses from the loveliest flowering plants noted for their long flowering period. Each one should be a jewel. Potted such be seen by the series of the series

PYRAMID CRASSULA

AT RIGHT:

CRASSULA CONGESTA

Another very odd and rare species with corvmbs of snowy flowers and thick green leaves. Each ...





GLORIA 2/5 Natural Size

A magnificent Orchid Cactus with gorgeous flame colored flowers sometimes 9 inches across. Its season of bloom is one of the longest, flowers sometimes appearing as late as August. Very easy to succeed with An outstanding variety and much



ORIOLE

A charming variety with white inner petals surrounded by an outer circle of rich yellow and gold. The plant is quite free flowering and vigorous. 75c

JUBILEE ASSORTMENT **COLLECTION B8**

8 named Orchid Cacti in a fine range of colors and types for 4" pots. A rainbow in your window



RCHID CACT

Orchid Cacti or Epiphyllums bear the showiest blossoms of all cacti. They should **not** be treated as desert plants but rather as one would geraniums or begonias. They like a well lighted window and a cool rather than hot atmosphere. They flower splendidly under ordinary window garden care. Plant them in Johnson's Jungle Mix or make up a compost of sand, peat or leafmold with very little loam. A 4" pot is ample for the first year. Keep them moist but never soggy wet.

Amber Queen. A large, brilliant orange-red flower. Inner pet-als undulate, margins shading to yellow at base. Each............75c

Fiesta. Huge rich red blossoms. Inner petals orange bordered violet. Outer petals scarlet. Each75c Mrs. Grant. Flowers predominantly purple with red outer petals.

Welcome. Fragrant, pale rose pink suffused with lilac. Lovely. 75c

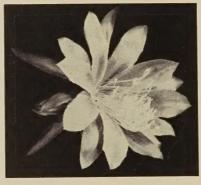
Latona. Extremely free flowering. Lovely orchid pink75c Scheherazade. Fine free bloomer. Bright pink75c

Oberst Kunrich. Inner petals deep violet, outer copper red..75c Lohengrin. Deep orchid pink. Very large75c



AGATHA

PROFESSOR EBERT



RAINBOW ASSORTMENT COLLECTION B2 Three beautiful Orchid Cacti. Red White

\$2

3 labelled varieties

of first quality.

HERMOSSUS

AT LEFT:

CALLENDER'S PFAU

A very brilliant blossom with full rounded petals. Each....

GAY SENORITA

A fine Empress hybrid. Pale rose blending to scarlet in the throat \$1.50

BAMBI

Exquisite fuchsia-red with darker center stripe. Splendid \$1.50





CHRISTMAS COLD

XMAS BRONZE. A coppery leaved version.

MINIATURE CACTI SEED

A choice mixture of the finest toy cacti, including rare Parodias, Notocacti, Cymnocalyciums, Mamillarias, Echinopsis, etc. Fifteen or more of the prettiest small growing types. Full instructions for planting. 50c Per packet ...

MIXED PINCUSHION SEED

CACTUS AND SUCCULENT SOCIETY OF AMERICA

The Cactus and Succulent Society was organized more than 20 years ago to bring together those interested in these extraordinary plants and to publish a magazine which would provide a forum for the exchange of information and for the publishing of new species and scientific data. The Journal, under the competent editorship of Scott Haselton, has well achieved these aims; and today is the world's foremost publication about these plants.

Everyone is invited to join the Society and to receive this splendidly illustrated magazine. It has many articles on new plants, stories on exploration trips to new localities, articles on culture, news of affiliated Cactus Clubs in every region of the U. S. Everyone interested in Cacti and Succulents will continue to find this a most interesting magazine.

Membership and Journal-Six double issues a year

\$3.00 ...\$3.50

Europe and Africa

ODDS AND ENDS

COLLECTION B9

BARGAIN ASSORTMENT

COLLECTION B10

A real low priced collection of colorful, small succulents for those interested in a nice window arrangement or dish garden. 10 unlabelled small \$1.25 Succulents, postpaid.....

COLLECTION B11

25 unlabelled small plants all different.....

\$2.00

Collections B10 or B11 can be ordered without paying the 50c packing and postage charge.

Cactus and Succulent Seeds

Cacti and many Succulents are readily grown from seeds. Some fast growing species make attractive small specimens within a year; others are much slower in attaining size. Seeds of many germinate rather quickly, others take much longer to sprout. Quite a few kinds will be up within two weeks. The prime essential is to keep the seeds very moist until well sprouted. We recommend our lungle Mix as excellent for germinating seeds as it may be kept wet without packing and does not attract "damping off" fungi. Full planting instructions with each package of seed. Purchases of 50c or more of seed may be sent without packing or postage charge.

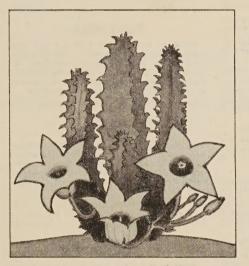
HAWORTHIAS MIXED

PARAMOUNT HYBRIDS MIXED

NOTOCACTUS MIXED

Notocacti are all colorful spined plants with large blossoms. None are too large for the small window garden and all have stood 20° without cold damage. They are a diverse group, easily grown. Mixture contains Golden Ball, Super Ball, Lemon Ball, Sun Cups, Indian Head over a dozen species. 50c

CHOICE SUCCULENTS



YELLOW DRAGON

DE LUXE MIXTURE

A superb mixture made up of over 75 species of Cacti. There are no weedy species included. They are collected from our own plants many requiring hand pollination. Our cactus seed is not to be compared with other offered kinds for it is not made up of wild collected seed of a very few native cacti. The very fine dust-like seed contains some of the prettiest kinds as Parodia, Rebutia, Notocactus, etc. Put up in two packets of fine and coarse seeds.

1.00 \$1.00 The collection...

MIXED LIVING ROCK SEED

STONE FACES MIXED

The Stone Faces or Lithops are the

The NEW SAND CULTURE for CACTI

Hydroponics is the scientific name for growing plants in culture solutions. The new science is rapidly proving its worth and for the cactus enthusiast has especial points of interest. One may grow his plants in clean porous sand, thus greatly reducing the danger of overwatering. This is of particular interest to collectors who live in damp, foggy or rainy places. Many choice or difficult plants thrive under this treatment, for cactus roots when well fed enjoy spreading in the air filled sand

VITAMIN B-1

JOHNSON'S OWN B1 TABLETS For use in Any Soil

Works miracles on Cacti and Suc-

Works miracles on Cacti and Succulents, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Better Homes and Gardens tests on cacti report wonderful success attained in flowering slow plants. Particularly valuable to stimulate new root growth after transplanting.

75 Double Strength Tablets with Full Instructions. Postpaid

PLANT-CHEM-SALTS

Now Grow Prize Cacti the Easy Way

Cacti grown in pure sand and watered regularly with this nutrient solution make a vigorout normal growth. Contains in scientific proportions the thirty chemicals needed in the growth of all others. of all plants.

16 gallon package, post-100 gallon package, postpaid 400 gallon package, post-



JOHNSON'S SAND CULTURE KIT

COLLECTION H 23



TIGER JAWS

TERMS

I CUARANTEE SAFE DELIVERY

ANYWHERE IN THE U. S. OR CANADA

We do not like to ship in **December** and **January** due to the extreme cold at this season plus the crowding of Christmas mails and consequent rough handling of packages. We can ship to the Pacific Coast and Southwestern States.

50c packing and postage charge on orders of less than \$2.50 due to increased costs.

10% postage charge on orders of from \$2.50 to \$5. Thus add 25c to \$2.50 or 30c to \$3 orders. This is generally only part of actual postage.

FREE delivery on orders of \$5 or more.

How to remit: By check, postal note, money order or postage stamps of large denomination. 50c and \$1 stamps accepted.

No C.O.D. orders accepted.

How we ship: By Parcel Post which delivers direct to your door. All plants are passed by State Horticultural Inspectors to insure freedom from insect pests. They are packed by experts in specially made cartons insulated from cold and clearly marked "Rush—Perishable—Tender Plants."

OUR CUARANTEE is for safe delivery of clean, healthy stock correctly labelled. We cannot undertake to make good plants lost through improper care. If plants are injured in transit and we are notified at once we will give credit for all damaged items.

FOREIGN SHIPMENTS

We ship regularly to practically every country not in the communist zone. We are familiar with most rules and regulations and with customs requirements and you will have no trouble with our shipments.

Cacti travel well via parcel post. Succulents should go by air freight only.

Postage charges are 30c per pound due to new increases. To figure weight of plants: 6 plants per pound including packing materials. Minimum foreign orders (not including Canada) are \$5.

PLASTIC LABELS

Permanent labels for plants poses a very difficult problem for the collector. Wooden labels while quite satisfactory do not of course last indefinitely. These plastic labels last for many years and outside of copper or zinc labels, which are difficult to affix to the plant, are the best solution I have found to date. Lead pencil writing lasts very well indoors or in the greenhouse. Outdoors it eventually weathers off. Grease pencils are useless. Water proof india drawing ink has proven the best medium for permanent labeling.

3 72 × 7	z Plastic	por lab	eis. Per	. 10	0\$1.2
4"x5/8".	Per 100		**********		\$1.50
41/2"×7/	". Large,	shaped	labels	for	outdoor

Johnson's Jungle Mix

A new type of cactus compost for epiphytic cacti. I have found that most of the more difficult kinds grow in this new mixture very readily producing a vigorous, extensive root system seldom seen in other composts. It may be kept much more moist without endangering the plants or drowning the roots. Expressly for Christmas Cactus, Schlumbergera or Easter Cactus,, Orchid Cacti, Rhipsalis, Rhipsalidopsis, Nopalxochia, Chiapasia, Selenicereus, Hylocereus and all related kinds of epiphytic or jungle cacti. It is also unexcelled for rooting cuttings of cacti and succulents. It may be easily modified into the finest potting soil you ever used for all types of house plants from Philodendrons, African Violets to Geraniums.

JOHNSON'S CACTUS FOOD

A very effective fertilizer with a good organic base, the ingredients of which are blended and proportioned to help your plants to make normal matured flowering growth. It is not a soluble fertilizer but should be scattered over the soil, a level teaspoonful to a 4-inch pot, three or four times during the growing season after the plants are well established.

Use only during the growing season. Light applications once a month are more effective than heavy applications.

ROOTWELL

Want to raise Cactus cuttings? Our new hormone powder for rooting refractory cuttings of all kinds designed particularly for quickly rooting Cacti and Succulents. Sterilizes the cut surface and induces luxuriant growth of roots. Apply dry with finger to fresh cut.

Full Directions. Per Package......50c

JOHNSON'S VITAMIN BI

For all house plants.

Works miracles on cacti, often bringing refractory plants into bloom. Don't fail to use this wonder working solution. Our customers report success, particularly when used on old plants. Also to stimulate new root growth after transplanting.

CACTUS HELPS

Items to make the growing of your plants easier and more enjoyable. Included here are all the things to root and grow your plants except loam and sand. Sand may be purchased from poultry houses or builders. Loam from garden or hillside.

Book, "Cacti and Succulents and How to Grow Them."

75c package Cactus Compost.
Johnson's Cactus Food.
Johnson's Cactus Soil Conditioner.
Quart of Cactus Hardwood Charcoal.
20 double strength B1 tablets.
50 Painted Wooden Plant Labels.

7 Items to Make Cactus Growing Easy. Postpaid.

OUR SPECIAL CACTUS LEAFMOLD

A recleaned, sclerophyllous desert leafmold, sifted, light and dry. Mixed with equal parts of both sand and loam, it makes a fine, economical cactus soil.

115 cu. inches enough to make 6-10 qts. potting soil

75c

\$3.00

PLANT CHEM SALTS

Cacti grown in pure sand and watered regularly with this nutrient solution make healthy vigorous growth! An occasional watering of all your house plants will supply the rare minerals sometimes lacking.

16-gallon pkg., with full instructions.....30c 100-gallon pkg., with full instructions..\$1.10 400-gallon pkg., with full instructions..\$2.10

DIAMOND JUBILEE CACTUS HANDBOOK

Our Diamond Jubilee Cactus Handbook celebrates our 75th year in the nursery business. It contains a great many color plates of cacti and succulents, hundreds of photographs and much information on culture such as how to water, how to rest your plants, etc. Also notes on the native lands of our plants, where they are found, how they are named, and the general lore of cacti.

There are listings of hundreds of interesting plants, together with sizes and prices of available supplies. It has been impossible to list in our smaller yearly catalogs many items that have been available in the past.

JOHNSON'S CACTUS COMPOST

Mix With Your Own Sand and Soil

An economical compost for Cacti and Succulents which when mixed with equal or larger quantities of both sand and light loam makes a very suitable soil for all desert plants. Composed of our recleaned sclerophyllous leafmold, lime, gypsum in the proper proportions for all potted cacti. A light and bulky mixture, the same as we use in our own potting soils for both seedling and specimen plants.

384 cu. inches or 5 pounds ______\$1.95 (May be ordered separately postpaid)

JOHNSON'S CACTUS SOIL CONDITIONER

Of great assistance in keeping cacti in good health, it is designed to add the minerals ordinary garden soils often lack. Desert soils are often high in mineral content, for there is little rain to leach them away. A spoonful of my Conditioner placed about a Cactus plant and stirred lightly into the soil will often bring an ailing one back to health. Mix it with your potting soils.

HARDWOOD CACTUS CHARCOAL

Useful in keeping cactus soils sweet and aerated. Helpful in heavy soil.

Per Quart40c

CACTUS INSECTICIDES

Our special instruction sheet describing common cactus pests and treatment, with spray formulas. We recommend Red Arrow Spray as effective and non-injurious to cacti or other house or garden plants.

Instruction Sheet and Bottle of Red Arrow Spray, Postpaid40c

VOLCK SPRAY. An oil spray recommended for any kind of scale insect and for mealy bug. These two insects are hard to kill as they have a waxy covering which repels water. We have used it for years, but only recently has it been put up in small bottles. 4-ounce bottle prepaid (with orders only) with chart describing cactus pests. Full instructions for use.......50¢

PLEASE USE THIS ORDER BLANK

IT WILL CREATLY ASSIST US IN PROMPTLY FILLING YOUR ORDER

HAIRY STARFISH FLOWER

Postpaid......\$3.65

Johnson Cactus Gardens

PARAMOUNT, CALIFORNIA

1954

Please Fill Amount of Money Sent

Money Order \$.

Stamps

PLANT BONUS

On orders of \$3 or more choose 10% in free plants

Flowers first year. 50c and	35c		Checks	nd large	
NAME	•••••••	DATE	denomination.		
		·	Is this your 1st 2nd 3rd 5th 6th 6	t order 🗀	
CITY		STATE			
	2.50 to \$5 add	.50 must include 50c extra to cover packing costs. 10% for postage. stage free.	PLEASE No. This 1954 catalog with our 1951 and which are still valid items not herein ca	may be used 1953 catalogs and list other	
	QUANTITY	PLEASE ORDER ALL SPECIAL CATALOGUED COLLECT	IONS BY NUMBER	No C.O.D.	
TO OUR FRIENDS If you are interested in the more rare and uncommon					_
Cacti and Succulents, our Dia- mond Jubilee Cactus Hand- book has a much more ex-					
tended listing. In it are many new species, also those of slower growth which are sel- dom seen. There are also more					
detailed articles on culture, watering, etc. A handbook of Cactus Iore. Price50c					2
QUESTIONS					
Please send stamped, self- addressed envelopes for re- plies. We will answer as soon as possible. It is in-					
creasingly difficult to answer correspondence regarding culture, etc., promptly with-					
out greatly increasing our prices. We beg your indulgence for delays. Leave room in your letter for answers.					
CACTUS BOOKS					
'Cacti and Succulents and How to Grow Them''					
68 pages and many photo- graphs of cactus and succu- ents. Plain information on the are of your plants. Much rec-					
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"Cacti for the Amateur" 110 colored pictures, 150 cactus photos, Full informa-					
rion. Cloth binding. Postpaid\$3.65					
"Succulents for the Amateur"					
800 succulents described. 67 pages crammed with in- ormation, 400 illustrations. 5 in color, Cloth					
o iii color, cloin.					

CACTUS BOOKS

These fascinating plants have a most interesting and comprehensive literature. You are missing half the pleasure of this amazing hobby if you do not have these illustrated and instructive reference books to turn to when you want to learn further about your acquisitions or intended purchases. You will learn more about the countries from which they come, about the conditions under which they grow and what other amateurs have learned about them. There has been a greatly stimulated interest in these plants since the termination of the war and many new books have appeared and many more are in contemplation.

Foreign book shipments: Please include 10% extra for extra packing and postage.

CULTURE FOLDERS

A series of small folders in which I have described the general cultivation of special groups of Succulents, etc.

Stonefaces and other Mimicry Plants. Their culture and other notes.....15c Starfish Flowers. How to care for a collection, propagation, etc......15c Euphorbias. Their culture and growth......15c Mexican Succulents. Echeveria, Pachyphytum, etc. Their care..... Orchid Cacti and other shade-loving Cacti. Their care and flowering......15c

SET OF FIVE POSTPAID50c THE CULTIVATION OF SUCCULENTS

A splendid book by Europe's greatest cultiva-tor of Succulents, H. Jacobsen, Curator of the Botanic Gardens, Kiel Germany. Full notes on the home of Succulents, their growth forms

THE STUDY OF CACTI

By Vera Higgins, M.A., F.L.S.

For those who want to know more about their plants. This is a simply written book, easily understood by the beginner, yet at the same time is technically accurate. Fine chapters on cultivation, on why plants have Latin names, descriptions of cactus genera or groups and classification. If you really want to know the why and the wherefore, this is your book. Revised 1946 edition. \$3.00 Postpaid.....

MAMMILLARIA HANDBOOK

A complete book about these interesting cacti. 390 pages, 300 fine illustrations and descriptions of all known species. A complete bibliography and annotated list of all published names for the past 150 years. By Dr. Robt. T. Craig. Postpaid...... \$7.75

PHYLLOCACTUS (Orchid Cacti)

A fine, sensible book by Curt Knebel on the culture of Orchid Cacti. Propagation, hybridizing, etc., with descriptions of the Knebel ing, etc., wit hybrids. Paper

MONSTROSITY AND CRISTATION IN CACTI AND SUCCULENTS

A most interesting book on the causes of monstrose and cristate growth by J. J. Verbeck Wolthys. The problems are discussed and illustrated in a most interesting way. 112 pages.

THE ALOES OF SOUTH AFRICA

A 650-page monograph by G. W. Reynolds describing 132 Aloes. 572 photos and 70 colored plates. With keys, historical data, early

THE STAPELIEAE

All there is to know about the Starfish Flowers and their allies, 1,233 photos and many colored plates. Three deluxe volumes, 1,200 pages. Buckrum binding. \$12.50 Express collect....

THE EUPHORBIEAE

A two volume work describing the South African succulent Euphorbias Many chapters on habitats, biographies of botanical collectors, historical data, complete descriptions, etc. A splendid work beautifully printed and illus-



STONE FACES

LITHOPS

These beautiful, interesting and entirely unique plants have no counterparts in the plant world. Many are so brightly colored they do not resemble what one thinks of as a plant but rather rainbow colored pebbles. They come from the barren deserts of Southwest Africa. from the barren deserts of Southwest Africa and imitate the rocks among which they are found. The flat tops of the two joined leaves are beautifully marbled or lined with contrasting colors according to the species. Sandy soil, sunny, airy position, never overwater. A decree plants can be grown in a 6" and

dozen plants can be grown in a 6" pan.	
Lithops aucampiae. Quite red. Clusters	\$1.
	35c
L. alpina. Brown spotted	.25c
L. framesii. Prettily mottled	.30c
L. fossulifera. Red lined	.35c
L. fulleri. Beautifully marked	.35c
L. helmutii. Green windowed	.35c
L. karasmontanum. Handsome	.35c
L. lericheana. Brightly marked	3°c
L. leslei. Large windows	.35 ℃
L. olivacea. Green mottled. Nice	35c
L. turbiniformis. Red windows	.35c
L. umdausensis. Green mottled	.35c
Collection B12. 5 plants my selection\$	1 00
Collection B14. 12 varieties my selection \$	

EPIPHYLLUM HANDBOOK

SUCCULENT PLANTS



CEREUS HYBRIDUS MONSTRUOSUS

A strange and monstrous cactus. Never loses its odd appearance. Very easy to loses its odd appearance. grow. Splendid for pots. 75c and..... 40c



PAPER SPINED OPUNTIA

White paper ribands for spines! Teph rocactus glomeratus likes sandy soil an sun. From Argentina.

RHIPSALIS

Rhipsalis are not very commonly seen. They make nice specimens for the shade garden. Mostly they are hanging plants though at first they are unright Plant them in our Jungle Mix in which they luxuriate.

Rhipsalis capilliform	is.
:	350
R. cassutha	500
E. clavatus	350
R. crispatus	350
R. neves-armondi:	350
R. grandiffora	350
R. rhombea	35
R. teres	35
R. trigona	35
R. Schaferi	50



CORAL CACTUS

DISOCACTUS EICHLAMII

A lovely fern-like plant that will thrive given the same treatment as African Violet. In the spring it is covered with dainty, crimson blossoms. Slender, drooping, frond-like stems. Plant it in our Jungle Mix. Keep moist and cool. It will not thrive in hot dry situations. Each potted.



FLOWERING TREE CEREUS

The tree - like Cereus goniathus bears many large white 5" blossoms with reddish sepals and large red apple-like fruits. The crisp sweet crystalline pulp is very pleasant. The fruits are smooth and spineless. Quick growing, vigorous of easy culture. Good loam soll. In winter they may be stored in basement or attic.

7"-8" 50e. Smaller.

Cereus	milessimus. Spiny 50c35c
Cereus	alacriportanus. Tree-like.
	50e35c
Cereus	horridus. Tall50c35c
Cereus	Hanesii50c 35c
Cereus	hexagonus50c 35c
Cereus	dayamii50c35c



EMPRESS

JOHNSONS JUNGLE MIX

A new	potting	compost	for	all	epiphytic
Per bag	postpaid				75c
5 pounds Wes	t of Mi	x postpai ssissippi	Rive	т \$	1.75



Small plants are quite pretty and grow well. The above photograph of Pachycereus pringle! I took in Baja California. Fine specimens 5".7" 50e and 25c. Nice 2"-3"

CACTUS AND SUCCULENT JOURNAL

Join the Cactus and Succulent Society and receive the splendid illustrated Journal. Six 32 page issues vearly

PLEASED CUSTOMERS

"The plants arrived July 14 in fine condition and I am well pleased with them. I have never seen such lean looking, well rooted plants as I receive from your gardens. Thank you so much for your kind advice about my plants. I will have another order shortly."

Mrs. Clint Copeland. Ohio

"Received the cactus plants today and they are excellent. Arrived in perfect condition and they are bigger and more beautiful than we expected for the price paid."

Mr. T. E. Scobee. Oregon.

"The plants I ordered arrived to-day in perfect condition as your plants always do. I am so pleased with them I am putting off potting them until I express my apprecia-tion. I do want to thank you for the bonus plant, a Rebutia, which is territories these orchid Cacti your may relied to the plants." The getting more of these beautil plants."

Mrs. Frank Dalesandro.

ORCHID CACTI

We have a mimeographed list of many of our Orchid Cacti for those interested in these beautiful plants. Free,

MEXICAN JEWEL COLLECTION No. B1. These four pretty and easily grown Pincushions may be planted in individual 2 or 3 inch pots or may all be planted together in a small ornamental dish 4 to 5 inches in diameter for a Dish Garden. They all do well in any well lighted window with moderate watering. The set in nice plants...... 90c

POWDER PUFF (Mamillaria bocasana)

Like a bursting cotton boll, this little plant is clothed with silky, snow-white hair instead of spines, though it bears one tiny hooked one on each slender nipple. Cream colored flowers followed shortly by very attractive bright red, long, curved seed pods A jewel among cacti. Very easy to grow in a well lighted window. Sun or partial shade moderate watering. Flowering and seeding specimens large \$1.

Nice flowering.

35c

Clusters 50e and.

75e

LADY FINGERS

Mamillaria elongata Schmollii

THIMBLE CACTUS Mamillaria fragilis

RUBY DUMPLING Mamillaria tetracantha











AUTUMN

A bright, red-gold spined selection of Mamillaria elongata. It is remarkable for the great number of branches which it produces even on small plants. Quickly forms a nice cluster. A choice and easily grown specimen, Spines are harmless.

Clusters 35c and.

SPECIMEN PERUVIAN OLD MEN

These are 5 to 7 year old specimens of Espostoa lanata and are attractive, adding that authoritative touch to your collection.

3-4	inches	\$1.00
5-6	inches	\$1.50



PINK BALL CACTUS

This plant, Notocactus rutilans, does not grow very large. In spring it bears charming pink blossoms, 1% inches across, in some profusion. One of the eastest to grow if given a somewhat sunny position. Native to Urugusy. The petals have a satiny sheen. Spines very short, reddish in color.

RIBBON CACTUS

This is a much larger plant than Paper Spined Opuntia. The flat, papery spines are light brown in Tephrocactus turpini the joints often as large as an egg. It is native to Argentina where it forms low dense mats. Pot in a quite sandy soil.

75c



CACTI

The following cacti belong to many groups and unless specifically mentioned require much the same treatment liking a porous soil from which the water drains quickly and light or sunny posttion. Water moderately so the soil is dry in about 5 days.

SHADE LOVING CACTI

Quite a number of tree dwelling (epiphytic) cacti require some shade in summer. They require about the same culture as a begonia or African Violet and make interesting window plants. They prefer cool treatment as they are mountain inhabitants. Pot in our Jungle Mix soil.

EASTER CACTUS HYBRIDS

These are crosses between the brilliant Easter Cactus and the lovely Rhipsalidopsis rosea. They flower very freely, are easy to grow and are fine house plants.

Andrea. A vigorous variety with the habit of Easter Cactus but with large wide open 2 inch crimson flowers at the tips of the branches. Each

Peter Pan. Slender branches edged red. The flowers are quite unique, long and bright carmine in color. The plant branches freely, the flowers tipping each branch. Potted _______90c

EASTER CACTUS

Schlumbergera Gaertneri is an old favorite. The plant is somewhat like Xmas Cactus but the flowers are scarlet and open widely without the long tube. Blooms about Easter. Each potted\$1.00

SPRING BEAUTY

Rhipsalidopsis rosea is a much branched small cactus the tiny branches a half inch long. It likes a cool moist location. The blossoms are lovely and freely produced, bright rose pink. Potted each 85c



PINK CROWN CACTUS

Everyone is thrilled with the handsome flowering Rebutia violatifora. The exquisite, brilliant cerise blossoms are produced in a circlet around the plant from the base. They continue flowering for a long time during spring. Very easily grown in part shade. Do not keep too dry. Grows well in our 35cc Jungle Mix. Each 75c and 35cc

REBUTIA GRANDIFLORA

A very large flowered species with scarlet blossoms.



A NEW ORLEANS COLLECTION

Mrs. Fontcuberta whose collection was started in 1947 gets a great deal of enjoyment from her cactus collection. Her pleasure is in introducing them to others and helping start their collections.



FEATHER CACTUS

It bears no spines.



YELLOW CHIN CACTUS

The Chin Cacti are amongst my favorites. They are easy to grow and flower freely in the spring. Gymno-calyelum leeanum has lemon yellow blossoms. The plants are low, rounded with broad ribs and appressed spines. Old plants are almost fush with the soil and around them appear a circle of small plants.

50c



EAGLE CLAWS

An old favorite bearing frilled, pink blossoms in summer. Echinocactus horizonthaionius has a woody crown, few low rounded ribs, stout pink spines, blue grey body. Full sun, sandy soil, little water. Large speelmens 75e to \$1.00. Smaller flowering...



CHRISTMAS CACTUS

plants form a fountain of color and bloom

exceedingly freely if rested in the fall and

kept in a cool room. Well grown specimens may reach a yard across and 75 year old patriarchs with hundreds of blossoms are no nov-

elty. Same culture as Orchid Cacti. We recom-

THANKSGIVING CACTUS. A pretty variety

with orange pink blossoms that flowers earlier.

A well known house plant which bears its lovely, deep pink blossoms in midwinter. The

DOMINOES

Opuntia erectoclada forms a small clump of tiny, single pads which radiate from the center like the spokes of a wheel. It is found near Salta, Argentina. Prefers sun but does well in shade. Clumps......30c

At Right:

LEMON VINE



EASTER LILY CACTI

Very satisfactory, large flowered cacti easily grown in the window garden. Like a rich porous soil, moderate water.

ECHINOPSIS MULTIPLEX. Pink Easter Lily. A small plant size of an orange. Flowers like large pink easter lilies. Flowering **75c.** Smaller



A NEW YORK COLLECTION

Mrs. Nellie O'Grady has a nice collection containing many fine specimens. She flowers superbly many of the Easter Lily Cacti, Orchid Cacti, etc. Her plants are grown on window sills and in summer on a bench in

PLEASED WITH PLANTS

"The plants sent me thus far are the finest I have ever purchased anywhere, healthy, clean and vigorous. Several are showing new buds and all those shipped in bud have bloomed."

Oliver P. Young, Maine.



BLACK OPUNTIA

A most attractive plant the pads at times almost black dotted with the small white arcoles. Consolea rubescens likes a good loam soil. It differs from the true Opunitas in that the "leaves" con-tinue growing almost

THIMBLE TUNA

Small ovoid joints in clusters. Tephrocactus microsphaericus has bright rubv red flowers. A pretty dwarf species. Each



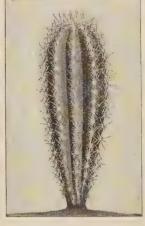
THEOLOCACTUS RECTISPINUS

This Mexican species bears brilliant carmine pink blossoms. The plants are much branched from the base. Likes a sunny location, moderate watering.

75c



A small variety of the Thimble Cac-tus. Mamillaria fragilis minima bears many branches each of which, if planted, will make a new plant. new plant.



BRAZILIAN TORCH CACTUS

These tall growing cacti are a pleas-ant variation from the globular kinds. Cephaloceres arrabidae makes a branch-ed specimen with age. Quick growing. Each. 30c

WOOLY TORCH
Cephalocereus palmeri is a Me
species. Flowering stems bear
white beards. 50c. 2" each.......

OLD LADY CACTUS



PRINCESS OF THE NIGHT



ANGEL WINGS

A dainty little plant that has no stickers. The miniature pads of Opuntia microdasys albaia are dotted with arcoles bearing fine, white, harmless glochids. Branches freely and remains dwarf the pure white cushions showing brightly against the green stems. Very easy to grow. Nice branched plants.

CINNAMON CACTUS

Cinnamon-red glochids. A pretty plant similar to ngel Wings. Handle with vegetable tongs. Opuntia





VIOLET SEA URCHIN

A lovely flowered small cactus blooming profusely in early summer. The blossoms of Acanthocalycium viola-

SOME NEWER CHIN CACTI

Cymnocalycium deesianum. Reported to be the

Cymno. andraea. A very pretty yellow flowered species. Rare ..

Cymno. mostii. This quite rare plant fits closely the original description. Flowering size 2" to 3" each ...

Gymno. joosensianum. The seeds of this scarce species came from an authentic source. 11/2" each

Gymno. baldianum. These plants differ from those formerly known under this name and more closely check with the original description. 1"-

Gymno. saglione. Make a very large specimen 8" in diameter. A spiny globe with rose pink blossoms. Nice bright plants 11/2"-2"50c

Cymno. venturianum. Flowers in varying shades of red. A very choice, free flowering plant and a great favorite. Fine flowering plants **75c** and **50c**

PARAMOUNT HYBRIDS

These very colorful plants are the results of many years work of hybridizing between Echinopsis and Lobivia. We have succeeded in producing a whole new range of color and form. They are sturdy, easy to grow and flower. Give them generous treatment.

RED PARAMOUNT. A very free flowering variety with lovely orange-red blossoms. Each \$1.25

SALMON QUEEN. Rich salmon in color. Plant and flower like Echinopsis. Vigorous grower. \$1

SUNSET. Red with violet overlay. Pale yellow central stripe. Large, broad petalled flower with long hairy tube. Flower very bright on second day. Each

RED PYGMY. A very different cross with Echinopsis kratochviliana as the mother. Flower short tubed, crimson-red. Plant Lobivia-like, cespitose. Each



PEANUT CACTUS

Flame. A fine hybrid. Much freer and longer wering50c



ORANGE PARAMOUNT

A very handsome hybrid with clear, bright blossoms. The color is a fine orange. It is much more free in flower than either parent and flowers repeatedly during spring. The plant is a vigorous grower, the spines very short and harmless.



RED CROWN

The Rebutias are splendid window garden subjects. They start producing their lovely blossoms very early in February and continue for a long time. They begin clustering when very small and blossom when still small. Any well lighted window suits them if shaded from mid-day sun.

REBUTIA MINUSCULA. Bright red flowers. Exquisite! Nice flowering plants 50c and _______



OLD MAN CACTUS



MOON CACTUS



SCARLET BUGLER

The fast growing, slender Cleistocactus baumannii has a number of stems to 2 feet tall. Bright red blossoms all summer. 12" 75c. Smaller 25c and 25c a



IOSEPH'S COAT



TOM THUMB

Parodia aurelspina is one of our choicest plants. A jewel with bright yellow spines and large blosens-Anyone can flower it. Spring ordered plants are generally in bud. Even tiny plants flower. Fast grower. Full sum or part shade. Nice specimens 50e-51.

Crimson Parodia. Lovely brilliant red blossoms. Parodia sanguiniflora. Specimens \$1. Flowering 75c an



A very spiny, tall-cylindric plant which in early spring bears many bright rose-pink blossoms. An easy to grow Chilean plant. Large specimens \$2. Smaller \$1. 1" to $1\frac{1}{2}$ "35c

FLAME CACTUS

Pyrrhocactus tuberisulcatus is a ball-shaped cactus with heavy, curved spines. The dark red flowers are freely borne in spring50c

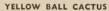
AGAVE CACTUS

Leuchtenbergia principis is a rare cactus with long blue nipples and papery spines. Fragrant, large yellow flowers. Nice **50c** and.....**35c**



SCARLET BALL CACTUS

Notocactus hasselbergii is an extremely handsome and very scarce cactus seldom seen in collections. The short bristle-like spines are glassy white. In early spring the spectacular crown of crimson or scarlet flowers makes its appearance. While it is of easy culture it should only be in the finest collections as there are but few of them. Part sun. Flowering \$1.25 specimens \$2. Smaller specimens.



Notocactus graessneri is a yellow spined counterpart bearing pale yellow blossoms. A handsome plant for choice collections. Large flowering specimens 5 years old \$1.50. Smaller

SILVER BALL CACTUS

GOLDEN BALL CACTUS

GOLDEN EASTER LILY CACTUS

A very free flowering plant **Lobivia aurea** is well worth having. Flowers are quite large of a cheerful yellow color. Large **\$1.** Very nice

VITAMIN B1 TABLETS

Works miracles on Cacti often bringing refractory plants into flower. 75 Double Strength Tablets 75c with full instructions for cacti. Bottle.



RAINBOW CACTUS

SUCCESS WITH HER CACTI

"I want to tell you how wonderfully my Orchid Cactus I wrote about three years ago is doing. I have been using your Vitamin B1 tablets on all my plants and they are a joy to behold. I have told many people of your plants and products. The Moonrise Orchid Cactus I obtained from you now has 10 blossoms. The old plant had easily 50. It has bloomed that way three years."

Mrs. Maude Siller, Montana



BISHOP'S CAP

4 sided Bishop's Cap. Curious, Each ... Astrophytum myr. nudum. Rare smooth variety...50c

BOWL COLLECTION. No. B3. Five interesting plants for a dish garden95c

STAR CACTUS

RATTAIL CACTUS

Grafted plants on Nyctocereus each \$1.25

A COMPLIMENT

"I wish to compliment you on the good standards you must maintain in order to furnish the excellent quality of plants such as arrived in my first order."

Lawrence E. Dawson, California.

STONE FACE

These Lithops closely resemble beautifully marked pebbles. Quite rare. Each 35c

OX TONGUE

Handsome Gasteria with spotted leaves. Tall spikes of pink blossoms35c

AIR PLANT

DUMPLING CACTUS

Fine for small gardens for bears many red blossoms hen small. Nice25c













GOLDEN GLOW

A charming selection from Mamillaria elongata. This variety has stouter stems than most and may reach 8" in length. It branches from the base and forms a very nice specimen. The bright yellow spines give a fluffy effect to the plant.

JOHNSON'S CACTUS FOOD

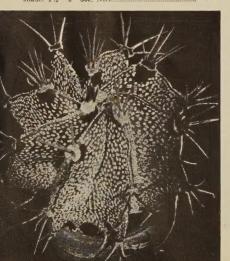
A very effective fertilizer with a good organic base the ingredients of which are blended and proportioned to help your plants make a normal, matured, flowering growth. Use only during the growing season in light applications once a month.

12	ounce	bag	50	c
32	ounce	bag	\$1.0	0



ARIOCARPUS RETUSUS

TAR CACTUS



FANCIER'S COLLECTION



Collection No. B4 16 Fine plants to start your win-

dow garden. All first quality plants. Contains only tested plants such as I would want in my own garden. Nice sizes, correctly

DE LUXE GARDEN

Collection No. B5

FANCIER'S ASSORTMENT

Collection No. B6

60 Choice and rare plants for the collector of the odd and beautiful. Stone Faces and other rare South African succulents with South American Lobivias, Gereus, Notocactus, etc., plus Mexican Mamillarias, Ferocactus, Cereus, etc.

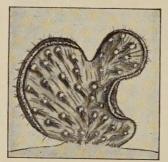
CENTURY ASSORTMENT

Collection No. A99

100 Different Cacti. No succulents. A collector's group. Includes many rare items. A gift any collector would prize above all else. \$25



MAMILLARIA CELSIANA



blooming.

in large col-haired. Each

JAENOCEREUS A new genus of cerei from northern Peru. I found it near the banks of the Amazon which here carries its turbid waters through a vast desert. A tall columnar plant, night

JAENOCEREUS NIGRIPILIS. A handsome, easily grown plant. Crew under the scant shade of trees generally as single columns sometimes in large colonies. Flowers white, tube black

TRICHOCEREUS ACKERSII

A new species of Trichocereus from the western flanks of the Andes near Nazca, Peru, Plants to 8' tall with short trunk and several side branches. Areoles white-wooly, some plants

as white as Espostoa. Flowers narrowly tubular

zygomorphic, corolla salmon pink. Each75c

AT LEFT:

CRESTED OPUNTIA

Crested forms of cacti are among the most in-teresting and unique of all with their odd, con-voluted stems. Opuntia serpentina cristata never loses its cockscomb growth. Nice creats

GYMNOCALYCIUM BRUCHII

Lovely pink blossoms.
Dainty desert fairies! A
real "must have" for the
fancier. Clusters \$1.50c
Smaller, flowering..



NEW CLEISTOCACTUS

The known Peruvian Cleistocactus were tall branched species with a trunk. Three new species I found were of the trunkless, clustering

CLEISTOCACTUS LUMINOSUS. A lovely, brilliant scarlet flowered species growing to 3' tall. Stems up to 11/2" diameter. A beauty. Nice plants .

TRICHOCEREUS LUCERNATUS

A lovely new species from southern Peru where it grows in the cloud gardens. Growing among boulders it is at first upright but soon the branches are gracefully pendent. Dark green stems, huge white blossoms. Each \$1.50

HAAGEOCEREUS TOMASIRIENSIS

PERUVIAN APPLE

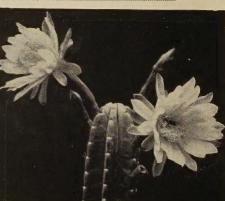
Handsome lily-like blossoms followed by large, red, smooth skinned fruits. The snowy, cystalline pulp is very sweet and pleasant to eat. The plant forms tall columns branching with age. Very ornamental. Easy to grow. 6".7" each 50c.

Smaller 25c and.



SAND DOLLAR

Astrophytum asterias is one of the oddest cacti, spineless and freely bearing large, shiny yellow blossoms. For yeare, Fot in sand and learnois specimens 90s. Smaler flowering 1½" to 2" to 2" flowering 1½" to 2" to 5".





AT LEFT:

BIRD'S NEST

Feathery yellow spines that are papery, soft and harmless. Mamillaria camptotricha soon forms clusters. Nice yellow clusters 50e and 75e. Small colorful plants each.

AT RIGHT:

MALACOCARPUS **PAUCIAREOLATUS**

Rare cactus from Uruguay. These accordion pleated plants bear bright yellow blossoms from out a very wooly center. Nice plants.



ARMATOCEREUS

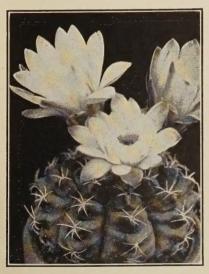
This is a distinctly Peruvian genus for they are found in all parts except the alto plano. Their range is from 3,000' to 10,000'. The Peruvian species are all tree-like.

Armatocereus nazcaensis. 4"-6" each....\$1.25 Armatocereus chalaensis. 3''-4'' each....\$1.00 Armatocereus solitarius. $2\frac{1}{2}''-3''$ each...\$1.00 Armatocereus armatus. 21/2"-3" each.... 50c



PELECYPHORA ASELLIFORMIS

Extremely rare in cultivation. The plants are related to Mamillaria, 1" to 1½" in diameter bearing large purple-pink blossoms. These Mexican plants are real oddities. A sunny window and very sandy soil or just leafmold and sand. \$1.25



DAM'S CHIN CACTUS

If you want the easiest flowered cactus try Gymnocalyclum damsii which bears large pink and white flowers throughout spring and summer. Even tiny plants flower. Of easiest culture in any window. Moderate to generous waterings.

Specimens 75c. Smaller 35c and......



DIADEM CACTUS

ESPOSTOA CHILETENSIS

A fine new Espostoa quite distinct from all

CORRYOCACTUS TRISTIS

PSE DOESPOSTOA MOLINENSIS

A not very tall species growing in the lower washes and canyons in northern Peru. The plants were covered with snowy-white silky hair. Young plants are tinged with pink. Each



A NEW JERSEY COLLECTION

Mrs. Pursell has a very nice collection of cacti and succulents with more than 100 different kinds. Most of her plants have come from our gardens.



CURIOSITY PLANT

These novel and attractive eact never lose their odd contorted growth. They are always pretty with their bright chestnut spines and living green stems. Cereus perurianus monstruosus always remains dwarf in pots. In warm regions planted out they reach 10 feet in height. Our plants are uniformly very monstrous. Fine speciments \$1 to \$5.

Smaller 35e and.

AZUREOCEREUS AYACUCHENSIS

ESPOSTOA MARANONENSIS

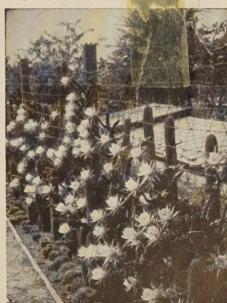
ESPOSTOA MARANONENSIS

This is a beautiful and quite strange species differing considerably from E. lanata. It has an altitudinal range of from 2000 meters to less than 700 meters, most remarkable for this genus. I found plants to 20' tall with a 27' spread at lower elevations, a giant compared with all others. Its type locality is the banks of the Amazon. Each \$1.50

LOBIVIA LARABEI

A very distinct new Lobivia with handsome crocus-like blossoms, bright red in color. It is cespitose in habit more like an Echinocereus, A free bloomer. Found between Cuzco and Ollantaytambo, Peru. Each

MOON CEREUS





QUEEN OF THE NICHT

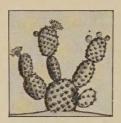
An old favorite whose blossoms are so astoundingly large and ethereally beautiful your friends will be entranced when they see it! Selentecreus macdonaldiae is of the easiest culture. Give it a very sandy soil or preferably 2 parts sand, 1 part leafmold and small feedings of cactus food during the summer growing season. A well lighted window or better put out in summer in partial shade bringing in before frost which flowers. Stems me the standard stakes or pot treffis. Use a 4" pot at first, later transferring 20 grows whenever dry, each.

SEEDS

It is always interesting to grow cacti and succulents from seeds. Patience is the most needed attribute! Full instructions sent with all speds

HAWORTHIA. Mixed. A number of interesting species from our collection are represented including H. setata, H. subfasciata, etc. Packets

NOTOCACTUS Mixed. Included the best species as N. leninghausii, N. scopa, N. submammulosus, etc., fresh seed. Packet50c



ANGORA BUNNY EARS

A pretty small eared Opuntia dotted with white clusters of glochids. Light soil with moderate waterings.

OPUNTIA TERES

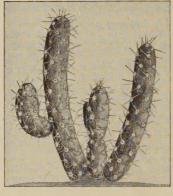
GRIZZLY BEAR

A long white haired California Opuntia with flat pads......35c



MEXICAN LIVING ROCK

Ariocarpus fissuratus is a very curious cactus, flat-topped with leathery, furrowed tubercles. The brilliant plnk blossoms appear at the wooly apex in September. It grows well in clean sand to which a small amount of leafmold has been added. It likes a sunny, airy window watering lightly only when quite dry, Growth is extremely slow the specimens offered are probably at least 25 years old.



ROSE PLAID CACTUS

A handsome small cactus brightly banded with copper-green and cream. The lovely pink blossoms of Gymnocaly-clum Friederickii are large and exceed-ingly freely borne all summer long. Specimens, 4 years, 75c. Smaller 35c flowering 50c and.



STRAWBERRY CACTUS

A free blooming and fairly quick growing cactus, flowering throughout spring and summer. Hamatocactus septispinus is a favortie of all; of the easiest culture. The flowers are larger than shown and the brilliant scarlet fruits are show; It enjoys a light loam, sun or part shade, watering moderately when dry. Sure to flower, Large specimens. 3".4" each 50e.

35c
Small flowering 15g.".2" each.

.1 quite easily grown and flowered eactus from South America. The bright holosoms appear in the spring after the winter rest. Thrives in a well lighted window liking an open soil. Stands temperature of 15°. Nice 1½ inch plants, 50°. Smaller.

NOTOCACTUS PAMPEANUS

\$1.25

